

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1600RXA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 5 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 6 SEP 27 STANDARDS will no longer be available on STN
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN
NEWS 8 OCT 28 KOREAPAT now available on STN
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads
NEWS 10 NOV 30 PHAR reloaded with additional data
NEWS 11 DEC 01 LISA now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 09:17:55 ON 06 DEC 2004

=> fil reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

| | | | |
|---------------------|------|------------------|------|
| SINCE FILE
ENTRY | 0.21 | TOTAL
SESSION | 0.21 |
|---------------------|------|------------------|------|

FILE 'REGISTRY' ENTERED AT 09:18:18 ON 06 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 DEC 2004 HIGHEST RN 792236-36-3
DICTIONARY FILE UPDATES: 5 DEC 2004 HIGHEST RN 792236-36-3

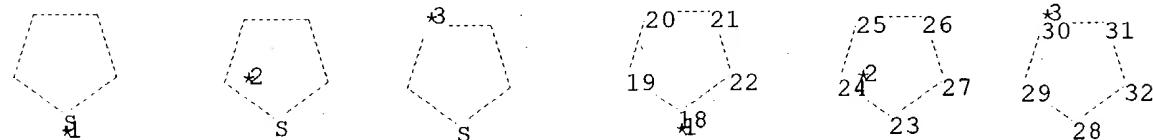
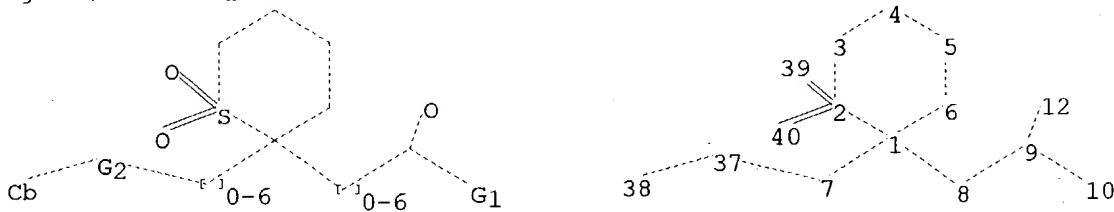
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading C:\STNEXP4\QUERIES\098988941.str



chain nodes :
7 8 9 10 12 37 38 39 40
ring nodes :
1 2 3 4 5 6 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
chain bonds :
1-7 1-8 2-39 2-40 7-37 8-9 9-10 9-12 37-38
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-22 19-20 20-21 21-22 23-24 23-27
24-25 25-26 26-27 28-29 28-32 29-30 30-31 31-32
exact/norm bonds :
1-2 1-6 1-7 1-8 2-3 2-39 2-40 3-4 4-5 5-6 7-37 8-9 9-10 9-12 18-19
18-22 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-32 29-30
30-31 31-32 37-38
isolated ring systems :
containing 1 : 18 : 23 : 28 :

Page 3 12/06/2004

G1:O,N

G2:[*1],[*2],[*3]

Match level :

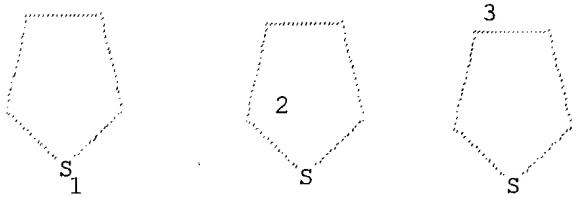
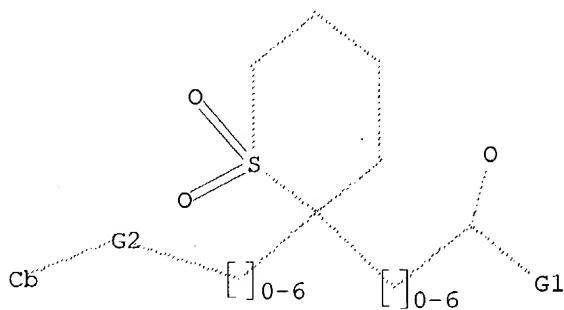
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 37:CLASS 38:Atom
39:CLASS 40:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,N

G2 [@1],[@2],[@3]

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 09:18:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 440 TO ITERATE

100.0% PROCESSED 440 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 7542 TO 10058
PROJECTED ANSWERS: . 0 TO 0

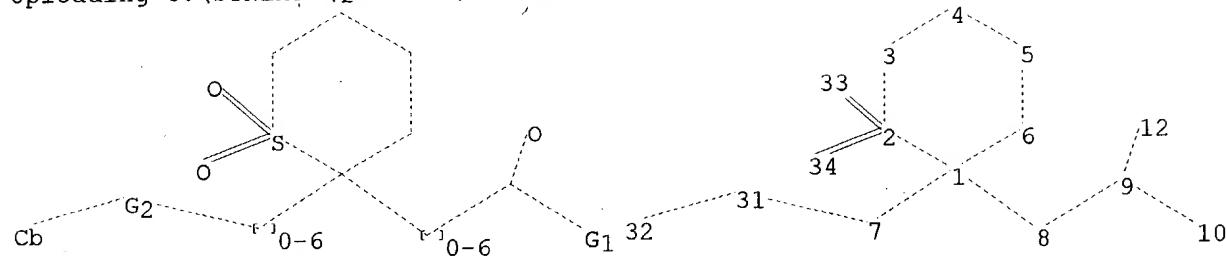
L2 0 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 09:18:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9336 TO ITERATE

100.0% PROCESSED 9336 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L3 0 SEA SSS FUL L1

=>
Uploading C:\STNEXP4\QUERIES\098688942.str



```

chain nodes :
7 8 9 10 12 31 32 33 34
ring nodes :
1 2 3 4 5 6 18 19 20 21 22 23 24 25 26 27
chain bonds :
1-7 1-8 2-33 2-34 7-31 8-9 9-10 9-12 31-32
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-22 19-20 20-21 21-22 23-24 23-27
24-25 25-26 26-27
exact/norm bonds :
1-2 1-6 1-7 1-8 2-3 2-33 2-34 3-4 4-5 5-6 7-31 8-9 9-10 9-12 18-19
18-22 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 31-32
isolated ring systems :
containing 1 : 18 : 23 :

```

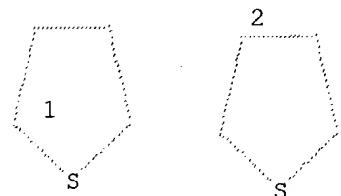
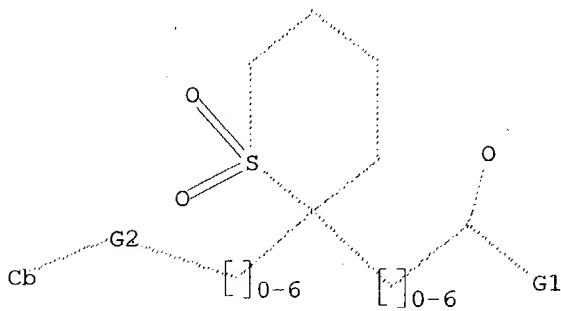
G1:O, N

G2: [*1], [*2]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom
26:Atom 27:Atom 31:CLASS 32:Atom 33:CLASS 34:CLASS

L4 STRUCTURE UPLOADED

=> d
L4 HAS NO ANSWERS
L4 STR



G1 O,N
G2 [@1], [@2]

Structure attributes must be viewed using STN Express query preparation.

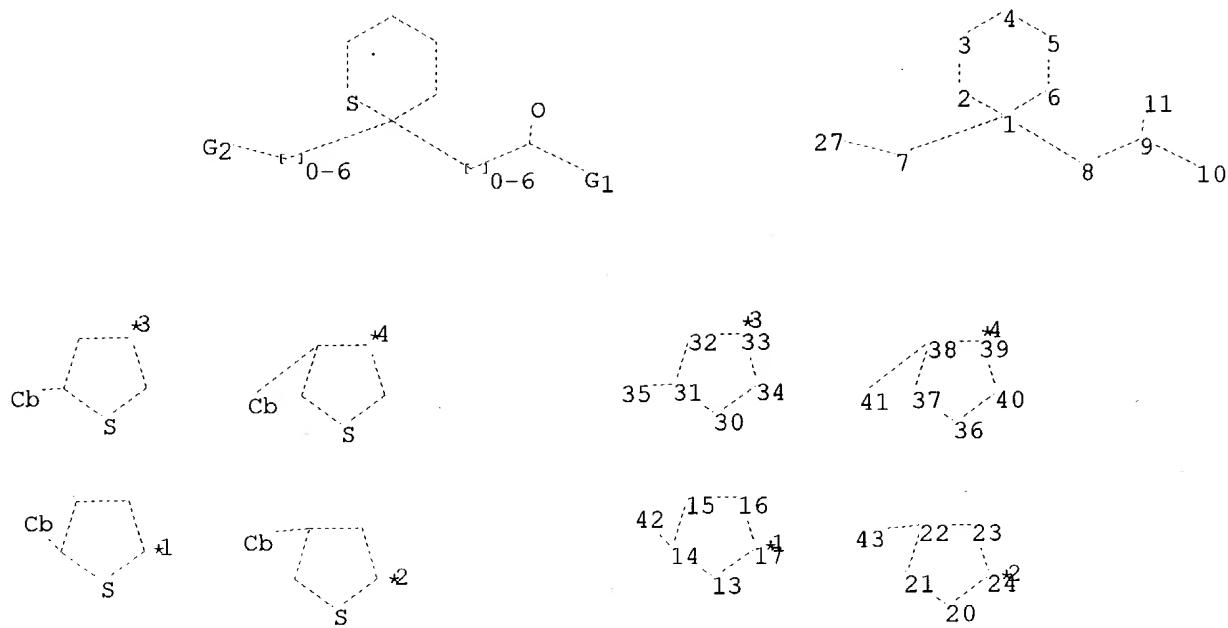
=> s 14
SAMPLE SEARCH INITIATED 09:20:42 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 440 TO ITERATE

100.0% PROCESSED 440 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7542 TO 10058
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=>
Uploading C:\STNEXP4\QUERIES\09868894z.str



chain nodes :
 7 8 9 10 11 27 35 41 42 43
 ring nodes :
 1 2 3 4 5 6 13 14 15 16 17 20 21 22 23 24 30 31 32 33 34 36
 37 38 39 40
 chain bonds :
 1-7 1-8 7-27 8-9 9-10 9-11 14-42 22-43 31-35 38-41
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-17 14-15 15-16 16-17 20-21 20-24
 21-22 22-23 23-24 30-31 30-34 31-32 32-33 33-34 36-37 36-40 37-38 38-39
 39-40
 exact/norm bonds :
 1-2 1-6 1-7 1-8 2-3 3-4 4-5 5-6 7-27 8-9 9-10 9-11 13-14 13-17 14-15
 14-42 15-16 16-17 20-21 20-24 21-22 22-23 22-43 23-24 30-31 30-34 31-32
 31-35 32-33 33-34 36-37 36-40 37-38 38-39 38-41 39-40
 isolated ring systems :
 containing 1 : 13 : 20 :

G1:O,N

G2:[*1],[*2],[*3],[*4]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 20:Atom 21:Atom 22:Atom
23:Atom 24:Atom 27:CLASS 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom
36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom

L6 STRUCTURE UPLOADED

=> d
L6 HAS NO ANSWERS
L6 STR

Structure diagram not available for display

Structure attributes must be viewed using STN Express query preparation.

=> s 16
SAMPLE SEARCH INITIATED 09:29:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5964 TO ITERATE

16.8% PROCESSED 1000 ITERATIONS 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 114650 TO 123910
PROJECTED ANSWERS: 31 TO 445

L7 2 SEA SSS SAM L6

=> s 16 full
FULL SEARCH INITIATED 09:29:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 120279 TO ITERATE

100.0% PROCESSED 120279 ITERATIONS 554 ANSWERS
SEARCH TIME: 00.00.04

L8 554 SEA SSS FUL L6

=> s 18 and caplus
0 CAPPLUS
L9 0 L8 AND CAPPLUS

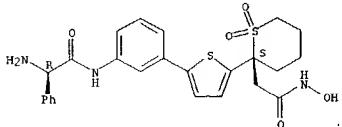
=> s 18 and caplus/lc
41353010 CAPPLUS/LC
L10 542 L8 AND CAPPLUS/LC

=> s 18 not l10
L11 12 L8 NOT L10

=> d 111 1-12

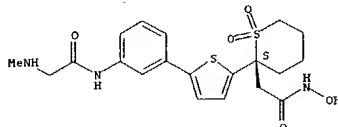
L11 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 790196-24-6 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[3-[(2R)-aminophenylacetyl]amino]phenyl]-2-thienyltetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H27 N3 O5 S2
 CI COM
 SR CA

Absolute stereochemistry.



L11 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 788145-47-1 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[3-[(methylamino)acetyl]amino]phenyl]-2-thienyl-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C20 H25 N3 O5 S2
 CI COM
 SR CA

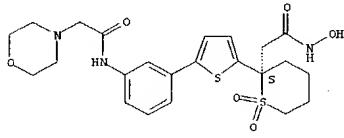
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

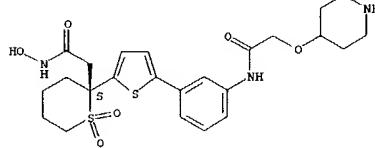
L11 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 779313-25-6 REGISTRY
 CN 4-Morpholineacetamide, N-[3-[(2S)-tetrahydro-2-[2-(hydroxymino)-2-oxoethyl]-1,1-dioxido-2H-thiopyran-2-yl]-2-thienyl]phenyl- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C23 H29 N3 O6 S2
 CI COM
 SR CA

Absolute stereochemistry.



L11 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 777045-81-5 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[3-[(4-piperidinyl)oxy]acetyl]amino]phenyl]-2-thienyl-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C24 H31 N3 O6 S2
 CI COM
 SR CA

Absolute stereochemistry.

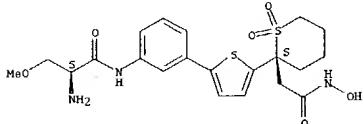


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

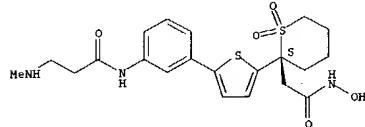
L11 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 776282-75-6 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[3-[(2S)-2-amino-3-methoxy-1-oxopropyl]amino]phenyl]-2-thienyltetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N3 O6 S2
 CI COM
 SR CA

Absolute stereochemistry.



L11 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 773043-19-9 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[(3-(methylamino)-1-oxopropyl)amino]phenyl]-2-thienyl-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N3 O5 S2
 CI COM
 SR CA

Absolute stereochemistry.

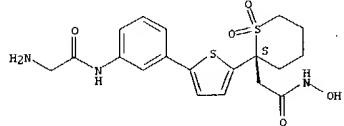


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

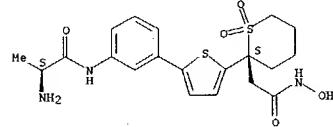
L11 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 763071-55-2 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[(aminoacetyl)amino]phenyl]-2-thienyltetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C19 H23 N3 O5 S2
 CI COM
 SR CA

Absolute stereochemistry.



L11 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 760933-49-1 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[(2S)-2-amino-1-oxopropyl]amino]phenyl]-2-thienyltetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C20 H25 N3 O5 S2
 CI COM
 SR CA

Absolute stereochemistry.

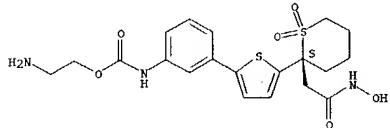


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 752190-69-5 REGISTRY
 CN Carbamic acid, [3-[5-[(2S)-tetrahydro-2-(hydroxymino)-2-oxoethyl]-1,1-dioxido-2H-thiopyran-2-yl]-2-thienyl]phenyl-, 2-aminoethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C20 H25 N3 O6 S2
 CI COM
 SR CA

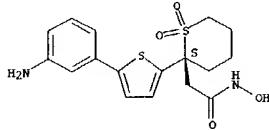
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 749837-12-5 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-(3-aminophenyl)-2-thienyl]tetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C17 H20 N2 O4 S2
 CI COM
 SR CA

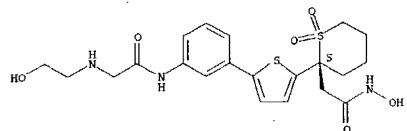
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 741661-21-2 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-{3-[(2-hydroxyethyl)amino]acetyl}amino]phenyl]-2-thienyl-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N3 O6 S2
 CI COM
 SR CA

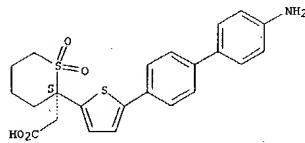
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 734529-70-5 REGISTRY
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-amino[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C23 H23 N O4 S2
 CI COM
 SR CA

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> d en lll 1-12
'EN' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

| | |
|--------|---|
| REG | - RN |
| SAM | - Index Name, MF, and structure - no RN |
| FIDE | - All substance data, except sequence data |
| IDE | - FIDE, but only 50 names |
| SQIDE | - IDE, plus sequence data |
| SQIDE3 | - Same as SQIDE, but 3-letter amino acid codes are used |
| SQD | - Protein sequence data, includes RN |
| SQD3 | - Same as SQD, but 3-letter amino acid codes are used |
| SQN | - Protein sequence name information, includes RN |
| CALC | - Table of calculated properties |
| EPROP | - Table of experimental properties |
| PROP | - EPROP and CALC |

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

| | |
|-------|--|
| ABS | -- Abstract |
| APPS | -- Application and Priority Information |
| BIB | -- CA Accession Number, plus Bibliographic Data |
| CAN | -- CA Accession Number |
| CBIB | -- CA Accession Number, plus Bibliographic Data (compressed) |
| IND | -- Index Data |
| IPC | -- International Patent Classification |
| PATS | -- PI, SO |
| STD | -- BIB, IPC, and NCL |
| IABS | -- ABS, indented, with text labels |
| IBIB | -- BIB, indented, with text labels |
| ISTD | -- STD format, indented |
| OBIB | ----- AN, plus Bibliographic Data (original) |
| OIBIB | ----- OBIB, indented with text labels |
| SBIB | ----- BIB, no citations |
| SIBIB | ----- IBIB, no citations |

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> en 111 1-12
EN IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d ed 111 1-12

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L11 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 29 Nov 2004

L11 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 25 Nov 2004

L11 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 12 Nov 2004

L11 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 09 Nov 2004

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L11 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 08 Nov 2004

L11 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 01 Nov 2004

L11 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 15 Oct 2004

L11 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 12 Oct 2004

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L11 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 27 Sep 2004

L11 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 23 Sep 2004

L11 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 09 Sep 2004

L11 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 27 Aug 2004

=> fil caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 370.58 | 370.79 |

FILE 'CAPLUS' ENTERED AT 09:31:20 ON 06 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 6 Dec 2004 VOL 141 ISS 24
FILE LAST UPDATED: 5 Dec 2004 (20041205/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 09:17:55 ON 06 DEC 2004)

FILE 'REGISTRY' ENTERED AT 09:18:18 ON 06 DEC 2004

| | |
|-----|------------------------|
| L1 | STRUCTURE UPLOADED |
| L2 | 0 S L1 |
| L3 | 0 S L1 FULL |
| L4 | STRUCTURE UPLOADED |
| L5 | 0 S L4 |
| L6 | STRUCTURE UPLOADED |
| L7 | 2 S L6 |
| L8 | 554 S L6 FULL |
| L9 | 0 S L8 AND CAPLUS |
| L10 | 542 S L8 AND CAPLUS/LC |
| L11 | 12 S L8 NOT L10 |

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L12 2 L10

=> s wo2000040576/pn
L13 1 WO2000040576/PN
(WO2000040576/PN)

=> d

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000-475658 CAPLUS
 DN 133:104964
 TI Preparation of tetrahydro-2H-thiopyran-1,1-dioxides as inhibitors of matrix metalloproteinases or tumor necrosis factor α
 IN Taniguchi, Kiyoshi; Neya, Masahiro; Terashita, Takeshi; Yamazaki, Hitoshi;
 Sato, Kentaro; Hosoi, Kumi; Tomishima, Yasuyori; Yoshida, Noriko; Iimura,
 Yochimasa; Takasugi, Hisashi; Seto, Hiroyuki
 FA Fujisawa Pharmaceutical Co., Ltd., Japan
 SO PCT Int. Appl., 336 pp.
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-------------------|--------------|
| PI WO 2000040576 | A2 | 20000713 | WO 2000-JP18 | 20000106 <-- |
| WO 2000040576 | A3 | 20010322 | | |
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MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
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| AU 2000018905 | A5 | 20000724 | AU 2000-18905 | 20000106 |
| AU 759900 | B2 | 20030501 | | |
| EP 1140895 | A2 | 20011010 | EP 2000-900122 | 20000106 |
| EP 1140895 | B1 | 20040324 | | |
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TR 200101936 | T2 | 20011221 | TR 2001-200101936 | 20000106 |
| BR 2000008589 | A | 20020129 | BR 2000-8589 | 20000106 |
| RU 2221792 | C2 | 20040120 | RU 2001-121981 | 20000106 |
| AT 262517 | E | 20040415 | AT 2000-900122 | 20000106 |
| ES 2213563 | T3 | 20040901 | ES 2000-900122 | 20000106 |
| PRAI AU 1999-8068 | A | 19990107 | | |
| AU 1999-1702 | A | 19990719 | | |
| WO 2000-JP18 | W | 20000106 | | |

OS MARPAT 133:104964

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=> s l12 not l13  
L14           1 L12 NOT L13  
  
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L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003-221683 CAPLUS
DN 138:238014
TI Preparation of 2-(thiophenyl)thiopyran-1,1-dioxides as MMP or TNF- α inhibitors
IN Neya, Masahiro; Sawada, Akihiko; Ohne, Kazuhiko; Abe, Yoshito; Mizutani,
Tsuyoshi; Ishibashi, Naoki; Inoue, Makoto
PA Fujirawa Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 168 pp.
CODEN: PIXK02
DT Patent
LA English
PAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

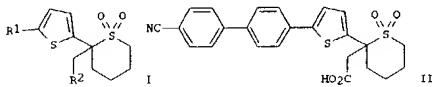
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EP 1423386 A1 20040602 EP 2002-760801 20020902
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PRAI AU 2001-7555 A 20010907
WO 2002-JP8895 W 20020902
OS MARPAT 138:238014
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:221683 CAPLUS
 DOCUMENT NUMBER: 138:238014
 TITLE: Preparation of 2-(thiophenyl)thiopyran-1,1-dioxides as MMP or TNF- α inhibitors
 INVENTOR(S): Neya, Masahiro; Sawada, Akihiko; Ohna, Kazuhiko; Abe, Yoshito; Mizutani, Tsuyoshi; Ishibashi, Naoki; Inoue, Makoto
 PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 168 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

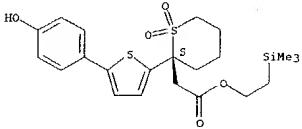
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------------|-----------------|----------|
| WO 2003022842 | A1 | 20030320 | WO 2002-JP8895 | 20020902 |
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| PRIORITY APPLN. INFO.: AU 2001-7555 | A | 20010907 | | |
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| OTHER SOURCE(S): MARPAT 138:238014 | | | | |

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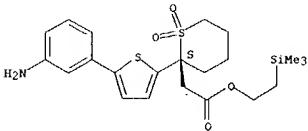
AB Title compds. I [wherein R1 = (un)substituted Ph, naphthyl, bicyclic heterocyclyl, alkaryl, or alkylnyl; R2 = CO₂H or protected CO₂H or a salt thereof] were prepared as matrix metalloproteinase (MMP) or tumor necrosis factor α (TNF- α) inhibitors. For example, coupling of 2-(trimethylsilyl)ethyl (S)-[2-(5-bromothiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate and 2-(4'-cyano-4-biphenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane followed by deesterification gave II. Five compds. of the invention were tested for gelatinolytic activity.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



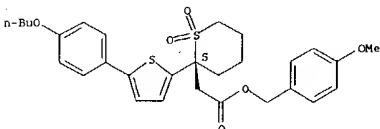
RN 501944-97-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(3-aminophenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-63-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butoxyphenyl)-2-thienyl]tetrahydro-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-68-2 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(6-(methoxymethoxy)-2-naphthalenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

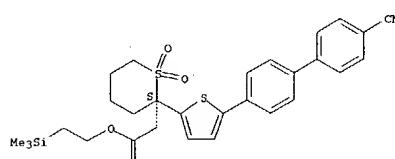
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 against human MMP-9 and displayed inhibitory activity with IC₅₀ values ranging from 1.37 nM to 16.0 nM. Thus, I are useful for treating and/or preventing diseases mediated by MMP or TNF- α (no data).

IT 501944-67-8P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4'-cyano-4-biphenyl)-2-thienyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501944-94-1P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-hydroxyphenyl)-thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501945-63-7P, 4-Methoxybenzyl (S)-[2-[5-(3-aminophenyl)-thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501945-68-2P, 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-(6-methoxymethoxyphthalen-2-yl)]thiophen-2-yl]acetate 501946-14-1P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-tert-butoxycarbonylamino)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-35-6P, 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-(4-hydroxyphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses); (MMR or TNF- α -inhibitors); preparation of (thiophenyl)thiopyrandioxides as MMP or TNF- α -inhibitors)

RN 501944-67-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

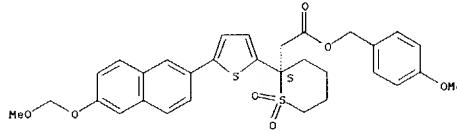
Absolute stereochemistry.



RN 501944-94-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-hydroxyphenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

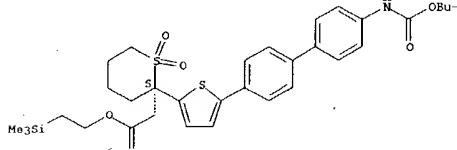
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



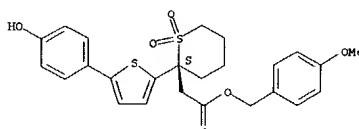
RN 501946-14-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[{(1,1-dimethylethoxy)carbonyl}amino][1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-35-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-hydroxyphenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

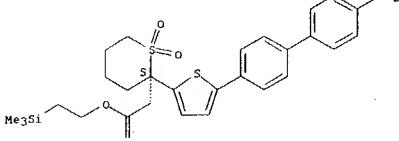
Absolute stereochemistry.



RN 501946-57-2 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-amino[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

$$\text{CH}_2=\text{NH}_2$$



501944-68-9P, (S)-{[2-[5-(4'-Cyano-4-biphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501944-69-0P, (S)-{[2-[5-(4-Ethoxy-4-biphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501944-70-3P, (S)-{[2-[5-(4-(5-Oxazolyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501944-71-4P, (S)-{[2-[5-(4-Butylphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-72-5P**,
(S)-{[2-[5-(3-(3-Propylureido)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-73-6P**,
(S)-{[2-[5-(4-Cyclohexylphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-76-9P**, (S)-{[5-(4-Propyloxyphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-77-0P**, (S)-{[2-(4-Biphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501944-78-1P, (S)-{[2-(2-Naphthyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-80-5P**,
(S)-{[2-[5-(4-(2-Oxazolyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-84-9P**,
(S)-{[2-[5-(4-Penthenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-85-2P**, (S)-{[5-(4-Benzyloxyphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501944-85-4P**, 2-(Trimethylsilyl)ethyl
(S)-{[2-[5-(4-Ethoxy-4-biphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501944-89-7P**,
2-(Trimethylsilyl)ethyl (S)-{[2-[5-(4-(5-oxazolyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501944-91-0P**,
2-(Trimethylsilyl)ethyl (S)-{[2-[5-(4-(butylphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501944-92-9P**,
2-(Trimethylsilyl)ethyl (S)-{[2-[5-(4-cyclohexylphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501944-95-2P**,
2-(Trimethylsilyl)ethyl (S)-{[2-[5-(4-biphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501944-96-3P**,
2-(Trimethylsilyl)ethyl (S)-{[2-[5-(2-naphthyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-00-2P**,
2-(Trimethylsilyl)ethyl (S)-{[2-[5-(3-propylureido)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate
501945-01-2P, 2-(Trimethylsilyl)ethyl (S)-{[2-[5-(4-propyloxyphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-02-4P**, (S)-{[1,1-Bis[2-[5-(4-pyridin-4-yl)phenyl]thiophen-2-yl]-1,3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid

114 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS ON STM (Continued)

(S)-[2-[5-(4-[4-Hydroxypyren-2-yl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-41-1P**,
 (S)-[1,1-Dioxo-2-[5-(4-[4-trifluoromethoxyphenyl]phenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-42-2P**,
 (S)-[2-[5-(4-[4-Methylcarbamoylphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-43-3P**,
 (S)-[2-[5-(4-[4-Dimethylcarbamoylphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-44-4P**,
 (S)-[2-[5-(4-[4-Carbamoylphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-45-5P**,
 (S)-[2-[5-(4-[4-Methylsulfonylaminocarboxyphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501945-46-6P, (S)-[2-[5-(4-[4-(Oxazol-5-yl)phenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501945-47-7P, (S)-[2-[5-(4-[4-Acetamidocarboxyphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501945-48-8P, (S)-[2-[5-(4-[4-Dimethylaminocarboxyphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501945-49-9P **501945-50-2P**, (S)-[2-[5-(4-[4-Methylsulfonylaminophenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-51-3P**,
 (S)-[2-[5-(4-[4-Methoxycarbonylaminophenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-52-4P**,
 (S)-[2-[5-(4-[4-Methylcarbamoylphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-53-5P**,
 (S)-[2-[5-(4-[3-Cyanophenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-54-6P**,
 (S)-[2-[5-(4-[3-Methylphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-55-7P**,
 (S)-[2-[5-(4-[2-Methylcarbamoylphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-56-8P**,
 (S)-[1,1-Dioxo-2-[5-(4-[2-phenyl-2H-tetrazol-5-yl]phenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-57-9P**,
 (S)-[2-[5-(4-[1-(Oxazol-5-yl)ethoxyphenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-58-0P**,
 (S)-[2-[5-(4-[1-(Oxazol-5-ylmethoxy)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-59-1P**,
 (S)-[2-[5-(4-[2-(Methylcarbamoyl)ethoxyphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501945-60-4P, (S)-[2-[5-(4-[1-(Oxazol-5-yl)ethoxyphenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-61-5P**, (S)-[1,1-Dioxo-2-[5-(4-[1-(oxazol-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
501945-62-6P, (S)-[1,1-Dioxo-2-[5-(4-[thiazol-4-yl]phenyl)thiophen-2-yl]tetrazolo-2H-thiopyran-2-yl]acetic acid **501945-63-7P**,
 (S)-[2-[5-(4-[2-(4-Butoxyphenyl)ethyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-64-8P**, (S)-[2-[5-(4-[4-Methoxymethoxyphenyl]thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-65-9P**,
 (S)-[1,1-Dioxo-2-[5-(4-pentyloxyphenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-66-0P**, (S)-[1,1-Dioxo-2-[5-(4-[1-methylethoxy]phenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-67-1P**, (S)-[1,1-Dioxo-2-[5-(4-methoxymethoxyphenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-68-2P**, (S)-[1,1-Dioxo-2-[5-(4-Aminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-69-3P**, (S)-[1,1-Dioxo-2-[5-(4-Aminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-70-6P**, (S)-[2-[5-(4-[4-Aminophenyl]phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-71-7P**, (S)-[2-(Trimethylsilyl)ethyl]acetoxy-2H-thiopyran-2-yl]acetic acid **501945-72-8P**, (S)-[1,1-Dioxo-2-[5-(4-methoxycarbonylnaphthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-73-9P**,
 (S)-[2-(Trimethylsilyl)ethyl]acetoxy-2H-thiopyran-2-yl]acetic acid **501945-74-0P**, (S)-[1,1-Dioxo-2-[5-(4-methoxycarbonylnaphthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-75-1P**, (S)-[2-(Trimethylsilyl)ethyl]acetate **501945-76-2P**

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501945-03-5P, (S)-[1-(1-Dioxo-2-[5-(4-(thiophen-1-yl)phenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-04-6P, (S)-[1-(1-Dioxo-2-[5-(4-(thiazol-2-yl)phenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-05-7P, (S)-[1-(1-Dioxo-2-[5-(4-(pyridin-3-yl)phenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-06-8P, (S)-[1-(1-Dioxo-2-[5-(4-(pyridin-2-yl)phenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-07-9P, (S)-[1-(1-Dioxo-2-[5-(4-(methoxyphenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-08-0P, (S)-[1-(1-Dioxo-2-[5-(methylthiocarbonyl)phthalalen-2-yl]thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-09-1P, (S)-[1-(1-Dioxo-2-[5-(methylthiophenalin-2-yl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-10-4P, (S)-[1-(1-Dioxo-2-[5-(5-formylphthalalen-2-yl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-11-5P, (S)-[1-(1-Dioxo-2-[5-[6-(oxazol-5-yl)naphthalen-2-yl]thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-12-6P, (S)-[1-(1-Dioxo-2-[5-(6-hydroxyphthalalen-2-yl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 501945-13-9P, (S)-[2-(5-(6-Cyano(naphthalen-2-yl)thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501945-16-0P,
 (S)-[1-(1-Dioxo-2-[5-(6-ethoxynaphthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-22-8P,
 (S)-[1-(1-Dioxo-2-[5-(methylcarbamoyl)phthalalen-2-yl]thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-23-9P,
 (S)-[1-(1-Dioxo-2-[5-(4-(pyrazin-2-yl)phenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-24-0P,
 (S)-[1-(1-Dioxo-2-[5-(4-(pyrimidin-5-yl)phenyl)thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-25-1P,
 (S)-[2-(5-[4-(2-Methylthiazol-4-yl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-26-2P,
 (S)-[2-(5-[4-(Isoxazol-5-yl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-27-3P,
 (S)-[2-(5-[4-(2-Methylisoxazol-5-yl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-28-4P,
 (S)-[2-(5-[4-(1-Methylpyrazol-5-yl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-30-8P,
 (S)-[2-(5-[4-(4-Methylisoxazol-5-yl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-31-9P,
 (S)-[2-(5-[3-Methyl-4-(oxazol-5-yl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-32-0P,
 (S)-[2-(5-[4-(4-Chlorophenyl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-33-1P,
 (S)-[2-(5-[4-(4-Ethylphenyl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-34-2P,
 (S)-[1-(1-Dioxo-2-[5-(4-(trifluoromethyl)phenyl)phenyl]thiopyran-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-35-3P,
 (S)-[2-(5-[4-(4-Methylthiophenyl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-36-4P,
 (S)-[2-(5-[4-(Acetylphenyl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-37-5P,
 (S)-[2-(5-[4-(4-Tert-Butyl)phenyl]phenyl)thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-38-6P,
 (S)-[2-(5-[4-(4-Fluorophenyl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-39-7P,
 (S)-[2-(5-[4-(4-Methoxyphenyl)phenyl]thiopyran-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501945-40-8P

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 (S)-[1]-1-dioxo-2-[5-(6-formylnaphthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-76-2P**,
 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-(6-oxazol-5-yl)naphthalen-2-yl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-77-3P**, 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-(6-hydroxypyranophthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-79-5P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(6-cyanopyranophthalen-2-yl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-80-BP**,
 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-(6-ethoxypyranophthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-86-4P**, 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-[6-(methylcarbamoyl)naphthalen-2-yl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-87-5P**, (S)-[1]-1-dioxo-2-[5-[4'-(methoxycarbonyl)-4'-biphenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-89-7P**, (S)-[1]-1-Dioxo-2-[5-[4'-(methylamino)sulfonyl]-4-biphenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501945-90-0P**, 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-[4-(pyrazin-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-91-1P**,
 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-[4-(pyrimidin-5-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-92-2P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(2-methylthiazol-1-yl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-93-3P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(isoxazol-5-yl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-94-4P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(2-methylthiazol-5-yl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-95-5P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(1-methylpyrazol-5-yl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-96-6P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(4-chlorophenyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501945-99-9P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(4-ethylphenyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-00-5P**,
 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-[4-(4-trifluoromethyl)phenyl]phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-01-6P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(4-methylthiophenyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-02-7P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-acetylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-03-BP**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(4-methoxyphenyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-04-5P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-fluorophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-05-0P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(4-methoxyphenyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-06-1P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-(4-hydroxypyranophenyl)phenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-07-2P**, 2-(Trimethylsilyl)ethyl (S)-[1]-1-dioxo-2-[5-(4-(trifluoromophenyl)phenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-08-3P**,

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2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylcarbamoylphenyl)phenyl]thiophen-2-yl]acetoate
 501946-09-4P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-dimethylaminocarbonylphenyl)phenyl]thiophen-2-yl]acetoate
 501946-10-7P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylsulfonylaminocarbonylphenyl)phenyl]thiophen-2-yl]acetoate
 501946-11-8P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylsulfonylaminocarbonylphenyl)phenyl]thiophen-2-yl]acetoate
 501946-12-9P, (S)-[2-[5-[4-(4-Hydroxymethylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501946-13-0P, 4-Methoxybenzyl (S)-[2-[5-[4-(4-oxazol-5-yl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-15-2P, 4-Methoxybenzyl (S)-[2-[5-[4-(4-(tert-butoxycarbonylamino)phenyl)phenyl]thiophen-2-yl]acetoate 501946-17-4P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-19-6P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(2-methylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-20-9P, 2-(Trimethylsilyl)ethyl (S)-[1,1-dioxo-2-[5-(4-(2-phenyltetrazol-5-yl)phenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-21-0P, 4-Methoxybenzyl (S)-[1-2-[5-[4-(E)-2-(oxazol-5-yl)ethoxy]phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-22-1P, 4-Methoxybenzyl (S)-[2-[5-[4-(E)-2-(methylcarbamoyl)ethoxy]phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-24-3P, 4-Methoxybenzyl (S)-[2-[5-[4-[(E)-2-(methylcarbamoyl)ethoxy]phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-28-7P, (S)-[1,1-Dioxo-2-[5-(4-[(E)-2-propyl]ethoxy)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501946-31-2P, 2-(Trimethylsilyl)ethyl (S)-[1,1-dioxo-2-[5-[4-(oxazol-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-33-4P, 2-(Trimethylsilyl)ethyl (S)-[1,1-dioxo-2-[5-[4-(thiazol-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-39-0P, (S)-[1,1-Dioxo-2-[5-[4-(thiophen-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501946-44-7P, (S)-[1,1-Dioxo-2-[5-(5-methyl-1,2,4-oxadiazol-3-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid 501946-46-9P, tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(pyridin-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-47-0P, tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(thiophen-3-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-48-1P, tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(thiophen-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-50-5P, tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(pyridin-3-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-52-7P, tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(pyridin-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetoate 501946-53-8P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(3-cyanophenyl)phenyl]thiophen-2-yl]-

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-61-8P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-acetamidophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-63-0P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-ethylaminocarbonylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-64-1P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylsulfonylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-66-3P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methoxycarbonylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-67-4P, 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-(4-pentylxophenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-69-6P, 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-(4-(1-methylethoxy)phenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-95-0P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-(4-Ethoxypyhenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-97-0P, (S)-[2-[5-(4-Ethoxypyhenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid

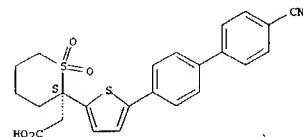
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(HMP or TNF- α inhibitor; prepn. of (thiophenyl)thiopyrandioxides as HMP or TNF- α inhibitors)

RN 501946-68-9 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

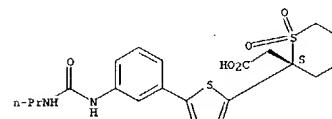


RN 501944-69-0 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethoxy[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

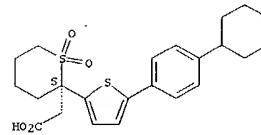
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501944-73-6 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-cyclohexylphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

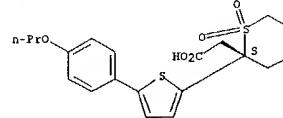
Absolute stereochemistry.



RN 501944-76-9 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-propoxyphephenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

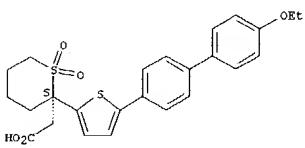


RN 501944-77-0 CAPLUS

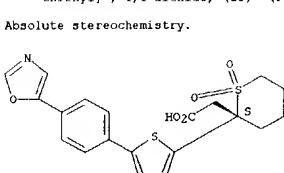
CN 2H-Thiopyran-2-acetic acid, 2-[5-(1,1'-biphenyl)-4-yl-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

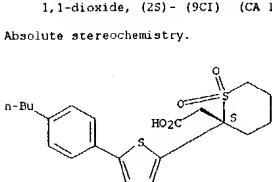
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



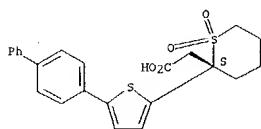
Absolute stereochemistry.



Absolute stereochemistry.

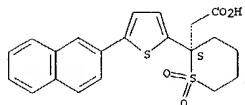


Absolute stereochemistry.



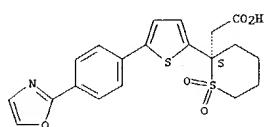
RN 501944-78-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2-naphthalenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



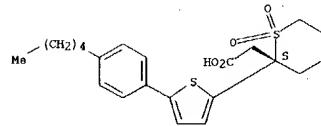
RN 501944-80-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



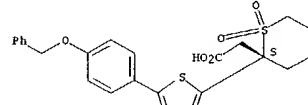
RN 501944-84-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-pentylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



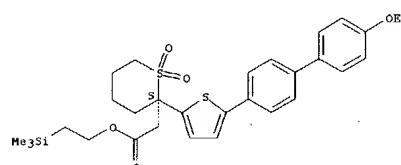
RN 501944-86-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-phenylmethoxyphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



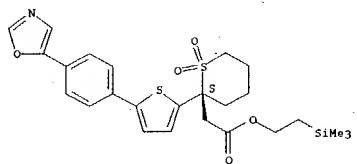
RN 501944-89-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethoxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



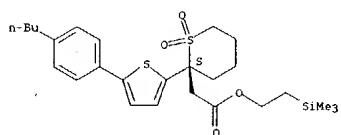
RN 501944-90-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



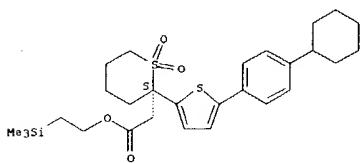
RN 501944-91-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butylphenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



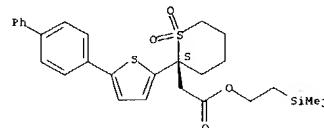
RN 501944-92-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-cyclohexylphenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



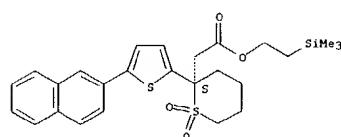
RN 501944-95-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(1,1'-biphenyl)-4-yl-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



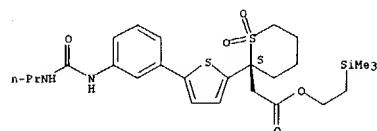
RN 501944-96-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2-naphthalenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



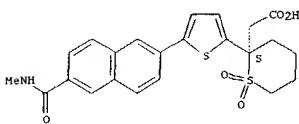
RN 501945-00-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3-[(propanimino)carbonyl]amino)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



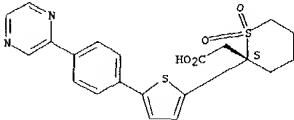
RN 501945-01-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-propoxymethylphenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



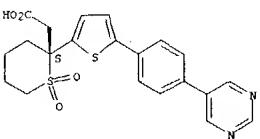
RN 501945-23-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-pyrazinylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



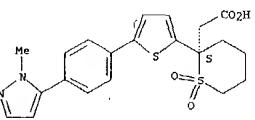
RN 501945-24-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-pyrimidinylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



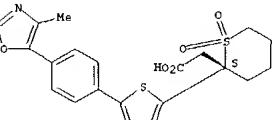
RN 501945-25-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-methyl-4-thiazoyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



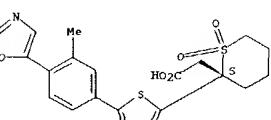
RN 501945-30-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-methyl-5-oxazolylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



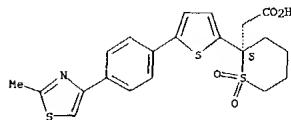
RN 501945-31-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3-methyl-4-(5-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



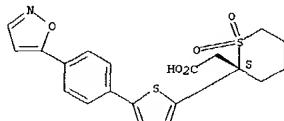
RN 501945-32-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-chloro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



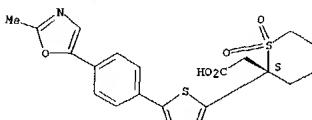
RN 501945-26-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-isoxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



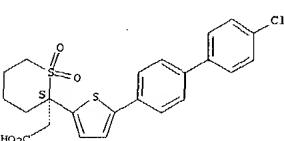
RN 501945-27-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-methyl-5-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



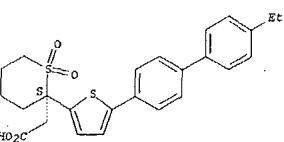
RN 501945-28-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(1-methyl-1H-pyrazol-5-yl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



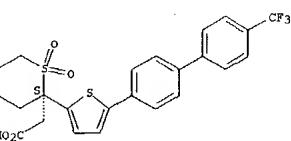
RN 501945-33-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-34-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

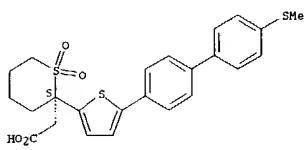
Absolute stereochemistry.



RN 501945-35-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(methylthio)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

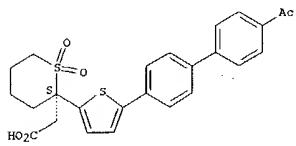
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



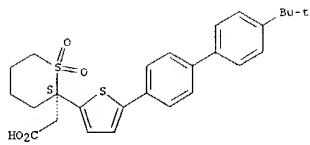
RN 501945-36-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-acetyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-37-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(1,1-dimethylethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

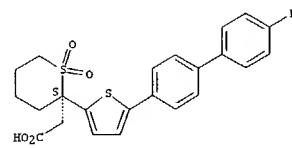
Absolute stereochemistry.



RN 501945-38-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-fluoro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

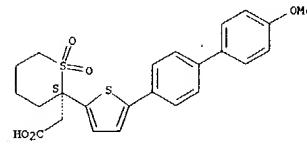
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



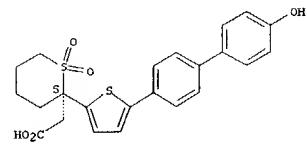
RN 501945-39-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methoxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-40-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-hydroxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

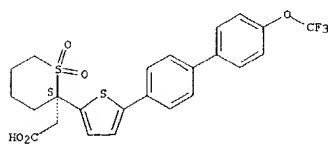
Absolute stereochemistry.



RN 501945-41-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

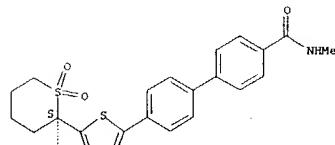
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



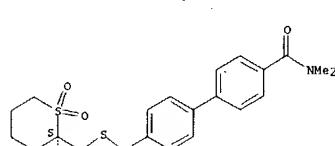
RN 501945-42-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(methylamino)carbonyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-43-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(dimethylamino)carbonyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

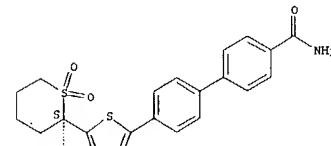
Absolute stereochemistry.



RN 501945-44-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(aminocarbonyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

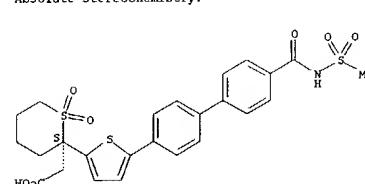
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



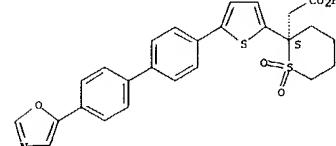
RN 501945-45-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(methylsulfonyl)amino)carbonyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-46-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(5-oxazolyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

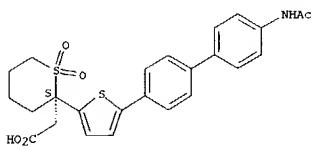
Absolute stereochemistry.



RN 501945-47-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(acetoxymethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S) - (9CI) (CA INDEX NAME)

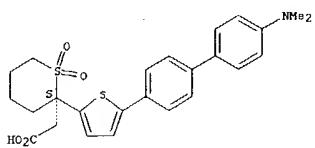
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



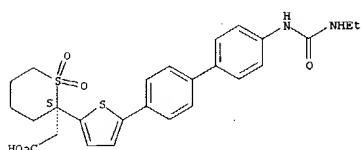
RN 501945-48-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(dimethylamino)[1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-49-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(ethylamino)carbonyl]amino][1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

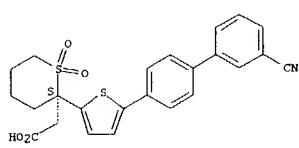
Absolute stereochemistry.



RN 501945-50-2 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methylsulfonyl)amino][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

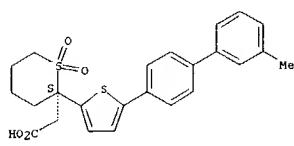
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

Absolute stereochemistry.



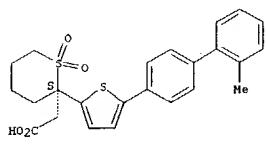
RN 501945-54-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3'-methyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



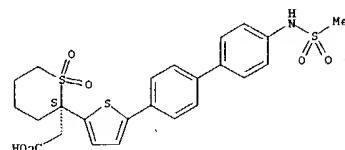
RN 501945-55-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2'-methyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



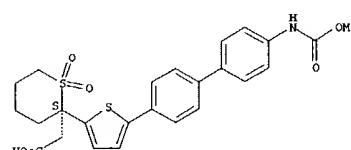
RN 501945-56-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-phenyl-2H-tetrazol-5-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 Absolute stereochemistry.

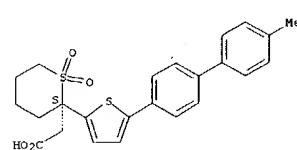
RN 501945-51-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methoxycarbonyl)amino][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



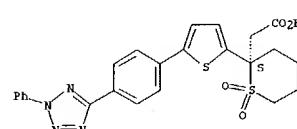
RN 501945-52-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



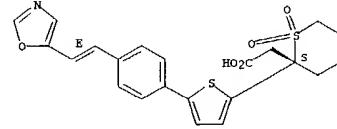
RN 501945-53-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(3'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



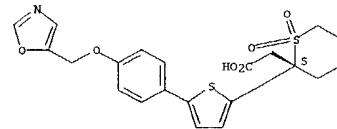
RN 501945-57-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-[(1E)-2-(5-oxazolyl)ethenyl]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



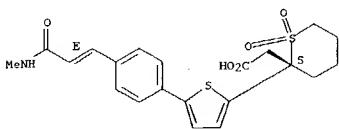
RN 501945-58-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-oxazolylmethoxy)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



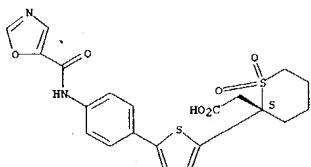
RN 501945-59-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-[(1E)-3-(methylamino)-3-oxo-1-propenyl]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



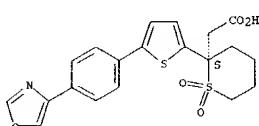
RN 501945-60-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(5-oxazolylcarbonyl)aminophenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



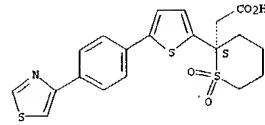
RN 501945-61-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(4-oxazolyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



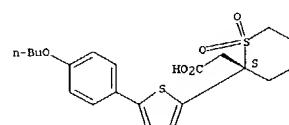
RN 501945-62-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(4-thiazolyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



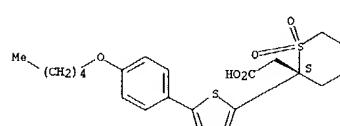
RN 501945-64-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butoxyphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



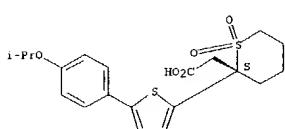
RN 501945-65-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(4-pentyloxy)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



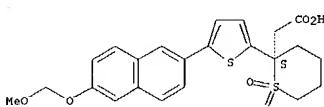
RN 501945-66-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(1-methylethoxy)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



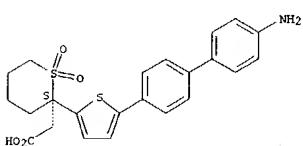
RN 501945-69-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(6-methoxymethoxy)-2-naphthalenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-70-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-amino[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, hydrochloride, (2S)- (9CI) (CA INDEX NAME)

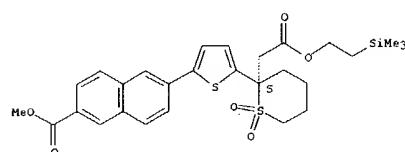
Absolute stereochemistry.



• HCl

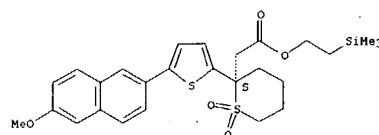
RN 501945-73-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(6-methoxycarbonyl)-2-naphthalenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



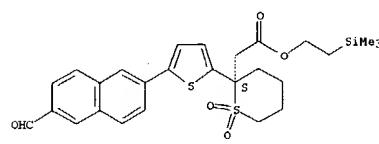
RN 501945-74-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(6-methoxy-2-naphthalenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



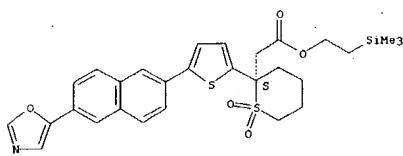
RN 501945-75-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(6-formyl-2-naphthalenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

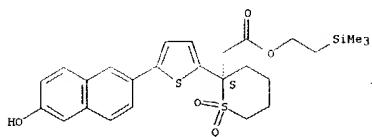


RN 501945-76-2 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[(6-oxazolyl)-2-naphthalenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

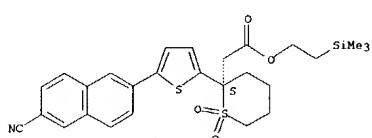
Absolute stereochemistry.



Absolute stereochemistry.



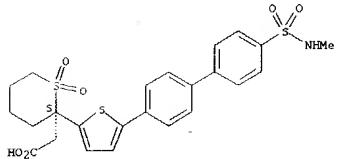
Absolute stereochemistry.



RN 501945-80-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(6-ethoxy-2-naphthalenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

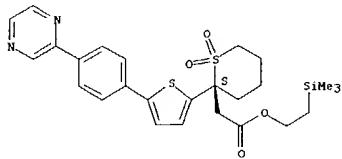
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methylamino)sulfonyl][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



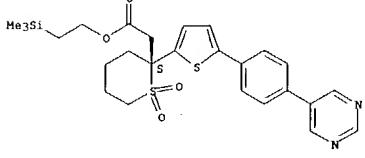
RN 501945-90-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-pyrazinylphenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



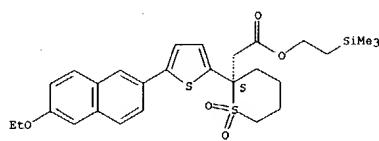
RN 501945-91-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-pyrimidinyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



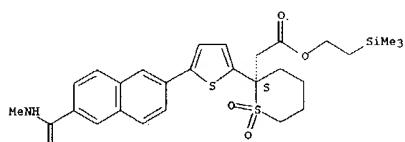
RN 501945-92-2 CAPLUS

Absolute stereochemistry.

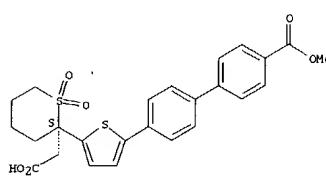


RN 501945-86-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-[(methylamino)carbonyl]-2-naphthalenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



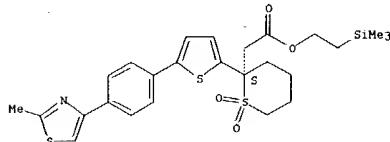
Absolute stereochemistry.



RN 501945-89-7 CAPLUS

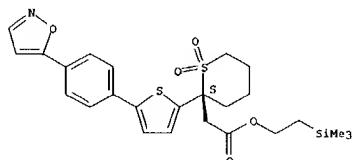
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-methyl-4-thiazoloyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



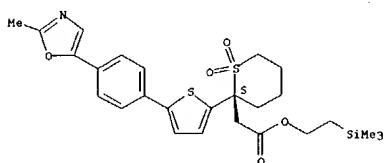
RN 501945-93-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-isoxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-94-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-methyl-5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

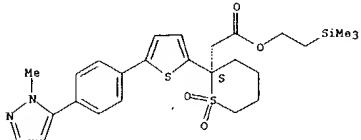
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

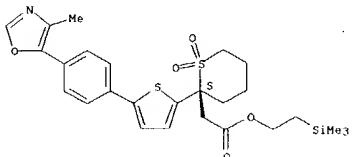
RN 501945-95-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(1-methyl-1H-pyrazol-5-yl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-96-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-methyl-5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-97-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[3-methyl-4-(5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

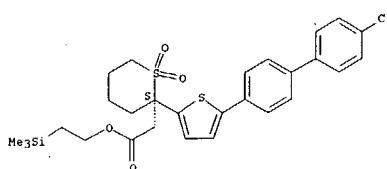
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

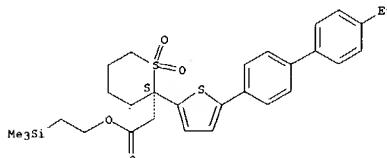
RN 501945-98-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-chloro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-99-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

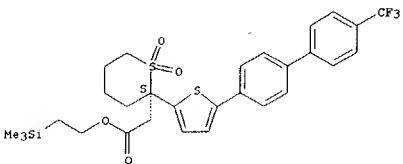
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

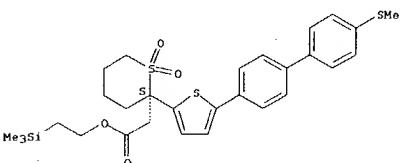
RN 501946-00-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-01-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methylthio)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



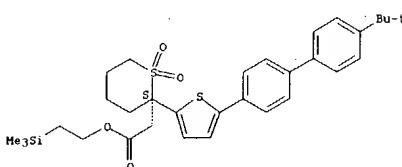
RN 501946-02-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-acetyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

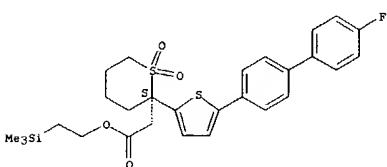
RN 501946-03-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(1,1-dimethylethyl)[1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-04-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-fluoro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

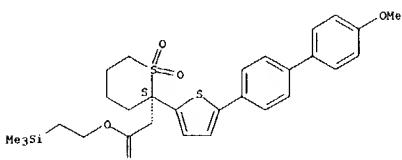
Absolute stereochemistry.



RN 501946-05-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methoxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI)

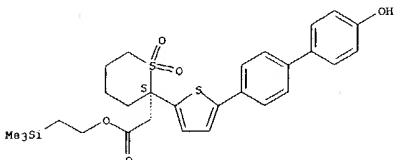
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

Absolute stereochemistry.



RN 501946-06-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-hydroxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

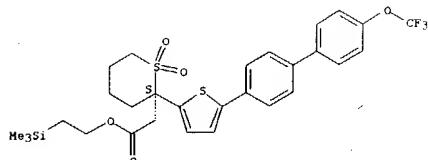
Absolute stereochemistry.



RN 501946-07-2 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

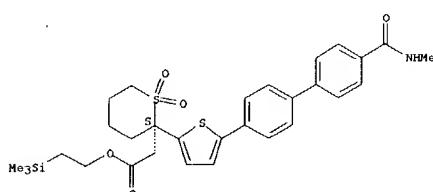
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501946-08-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methylamino)carbonyl][1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

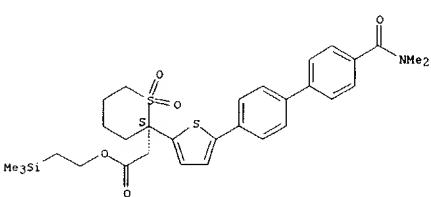
Absolute stereochemistry.



RN 501946-09-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(dimethylamino)carbonyl][1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

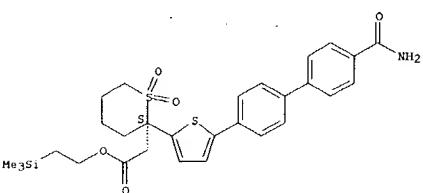
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501946-10-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(aminocarbonyl)][1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

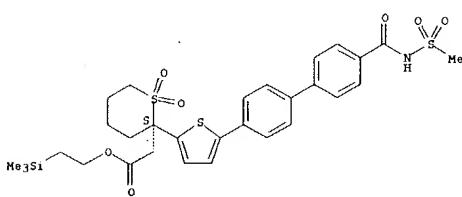
Absolute stereochemistry.



RN 501946-11-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-([(methylsulfonyl)amino]carbonyl)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

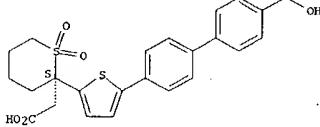
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



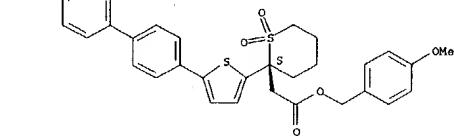
RN 501946-12-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(hydroxymethyl)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-13-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(5-oxazolyl)[1,1'-biphenyl]-4-yl]-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

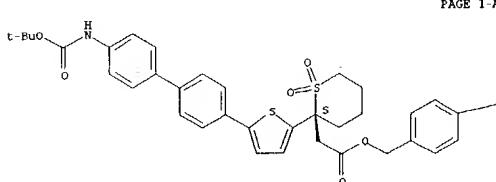
Absolute stereochemistry.



RN 501946-15-2 CAPLUS

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(1,1-dimethylethoxy)carbonyl)amino]-
 (1,1'-biphenyl)-4-yl]-2-thienyl]tetrahydro-, (4-methoxyphenyl)methyl
 ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

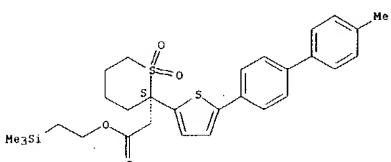
Absolute stereochemistry.



PAGE 1-B

RN 501946-17-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

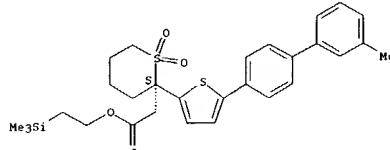
Absolute stereochemistry.



RN 501946-18-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3'-methyl[1,1'-biphenyl]-4-

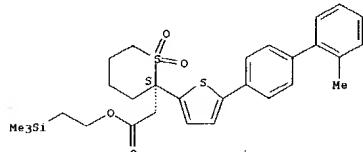
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 RN 501946-19-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2'-methyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-19-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2'-methyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



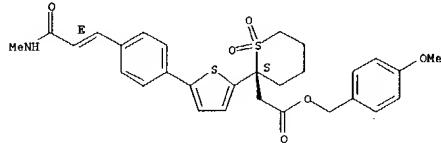
RN 501946-20-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-phenyl-2H-tetrazol-5-yl)phenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

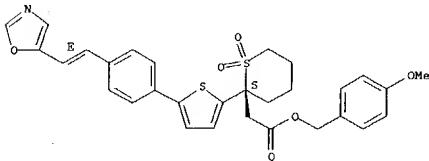
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



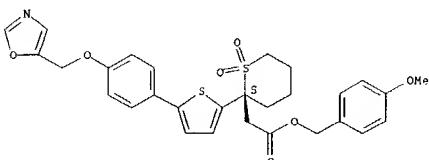
RN 501946-21-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-[(1E)-2-(5-oxazolyl)ethenyl]phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



RN 501946-22-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-oxazolylmethoxy)phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

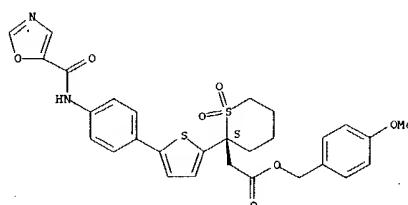
Absolute stereochemistry.



RN 501946-24-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-[(1E)-3-(methylamino)-3-oxo-1-propenyl]phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester,

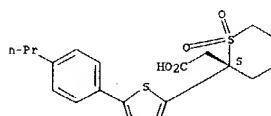
RN 501946-26-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-oxazolylcarbonyl)amino)phenyl]-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-28-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-propylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

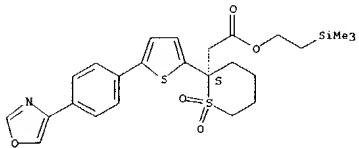
Absolute stereochemistry.



RN 501946-31-2 CAPLUS

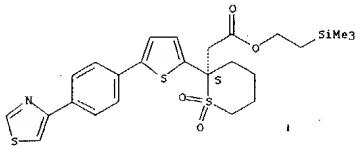
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 RN 501946-44-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-oxazolyl)phenyl]-2-thienyl-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



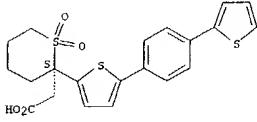
RN 501946-33-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-thiazolyl)phenyl]-2-thienyl-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



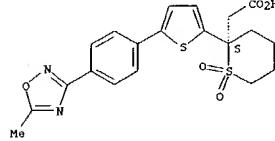
RN 501946-39-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-thienyl)phenyl]-2-thienyl-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



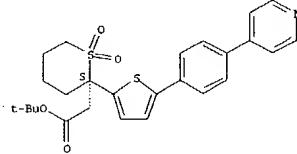
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 RN 501946-44-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-methyl-1,2,4-oxadiazol-3-yl)phenyl]-2-thienyl-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



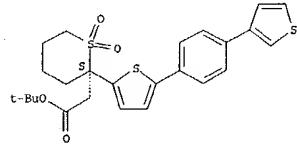
RN 501946-46-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(4-pyridinyl)phenyl]-2-thienyl-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-47-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(3-thienyl)phenyl]-2-thienyl-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

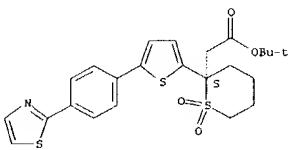
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

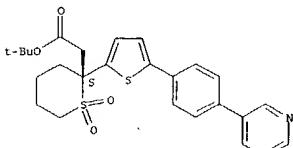
RN 501946-48-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-thiazolyl)phenyl]-2-thienyl-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



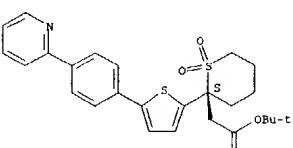
RN 501946-50-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(3-pyridinyl)phenyl]-2-thienyl-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-52-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-pyridinyl)phenyl]-2-thienyl-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

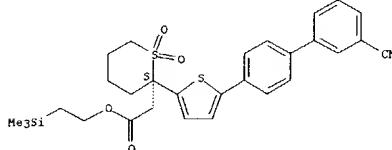
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

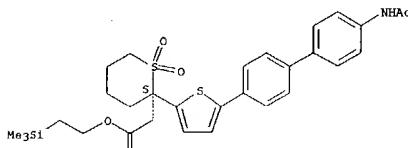
RN 501946-53-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(3'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-61-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(acetylamino)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

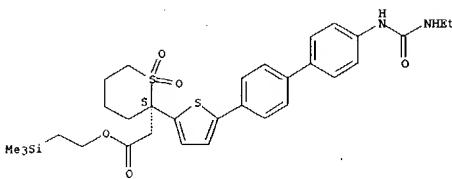
Absolute stereochemistry.



RN 501946-63-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-([(ethylamino)carbonyl]amino)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

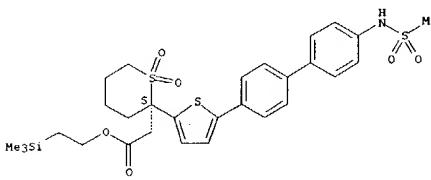
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



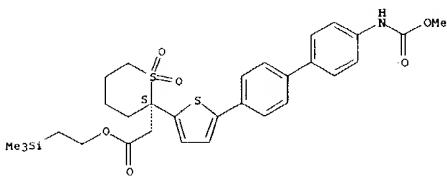
RN 501946-64-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(methylsulfonyl)amino)[1,1'-biphenyl]-4-yl]-2-thienyl]-2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

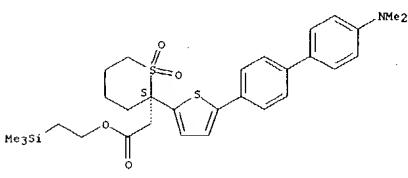


RN 501946-66-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(methoxycarbonyl)amino)[1,1'-biphenyl]-4-yl]-2-thienyl]-2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

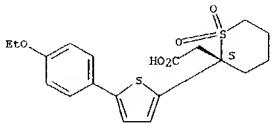


L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



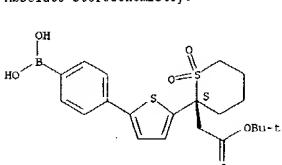
RN 501946-97-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-ethoxyphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 501946-45-8, (S)-[4-{5-[2-(tert-butoxycarbonylmethyl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]thienen-2-yl}phenyl]boronic acid
RL: RCT (Reactant) RACT (Reactant or reagent)
(preparation of (thienenyl)thiopyrandioxides as MMP or TNF- α inhibitors)
RN 501946-45-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-boronophenyl)-2-thienyl]tetrahydro-, α -(1,1-dimethylethyl) ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

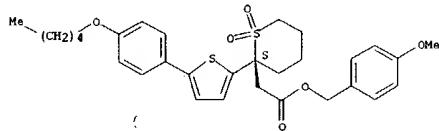


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

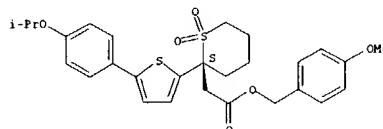
RN 501946-67-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(pentyloxy)phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-69-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(1-methylethoxy)phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-95-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(dimethylamino)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

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| => log y | | |
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST | 10.46 | 381.25 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | -0.70 | -0.70 |

STN INTERNATIONAL LOGOFF AT 09:33:56 ON 06 DEC 2004